

ABSTRACT

An extrusion molding machine includes at least a storage bin, a cylinder and screw, a tank, and a heater. The storage bin supplies a foam material to be molded into a foam body. The cylinder and the screw mix and transport the foam material from the storage bin. The tank is connected to a piping that connects the storage bin and the screw, and the tank stores a foaming fluid that foams the foam material. The heater melts the foam material and heats the foaming fluid by stages from a base end of the cylinder near the storage bin to the front end from an initial temperature below its boiling point to a final temperature at which the foaming fluid is completely vaporized. A first stage of the heater is set above 60°C and below 100°C, and a final stage is set above 160°C and below 240°C.